HARDWARE.

CHARLES J. FIELD,

(Successor to FIELD & HARDIE,)

Particular Attention Given to

Fine Locks & Bronzed Goods

FOR BUILDINGS.

NAILS,

SASH-WEIGHTS

AND CORD.

633 MARKET STREET, and 624 COMMERCE STREET, Philadelphia, Pa.

Dealer and Manufacturer of HARDWARE for BUILDERS, MACHINISTS and RAILROADS.

AGENTS FOR

J. F. WOLLENSAK'S PATENT TRANSOM LIFTER.

Price List on Page 14.

Please read directions and descriptions before ordering.

"ARCHITECTS"

PLEASE SPECIFY THE

"CLASS," "LENGTHS" AND "DIAMETER"

Of Transom Lifters when inserting same in specifications; also, whether Bronzed Iron, Nickel Plated, or any of the other modern finishes are wanted, a list of which is given on page 14.

To the Trade.

In presenting this Catalogue and Price List, we wish to gratefully acknowledge the liberal favors so generously bestowed upon us in the past, particularly by the Trade and Architects.

We are now preparing some new goods, also a more complete Catalogue, which will be presented to you in due time. In the meantime, we solicit inquiries as heretofore for special devices other than those illustrated in this book, for Churches, Seminaries, Hospitals, etc. Our facilities will be trebled during the coming year, so that we can assure our friends that orders will receive personal and prompt attention. Respectfully Yours,

J. F. WOLLENSAK & CO.

Chicago, January 1, 1881.

VENTILATION.

Pure air is a subject which ought to claim the careful attention of every intelligent person in the community. If only a small portion of the attention which we give almost all ordinary wants of life, be given to this all-important subject, much of suffering and sickness might be avoided. Our private dwellings and public buildings are lamentably deficient in regard to ventilation, and one of the most important considerations in building houses, whether for residence or business, is to secure good ventilation.

It is a well-known fact, that Transoms over doors are a certain and safe way of securing this.

The principal objection heretofore has been in the difficulty of utilizing a Transom, except by the objectionable old cord and pulley arrangement. This, however, has been entirely done away with and overcome by the introduction of

WOLLENSAK'S TRANSOM LIFTER AND LOCK.

With these devices, Tansoms may be raised, lowered or opened at will, with great ease, and locked in any position. May be left partly open and still securely locked. No other fastenings are required. Any person can put them on. All ropes, pulleys and gearings are dispensed with; the illustrations explain themselves.

Although a recent invention, they have already won the unqualified approval of leading architects, builders, and the general public everywhere.

It is a great conservator of comfort and health. By keeping a constant circulation of air in winter season, storekeepers may keep show windows free from frost.

Public buildings and private residences cannot afford to be without them, and for hotels they are just the thing. They will save enough furniture in one year to pay for their cost.

Send a sample order and we will feel assured of the result. For sale by the Hardware Trade throughout the United States and Canadas.

TO MANUFACTURERS AND DEALERS IN BUILDERS' HARDWARE:

Gentlemen,—You are hereby notified that I am the sole and exclusive owner of all rights and privileges granted and secured by letters patent of the United States Re-issue No. 9,307 *covering broadly all means for opening and closing Transom Windows by an operating rod guided at or near its upper end.* Besides the above, I own several other patents, which cover all the essential details or combinations in a Transom Lifter.

This is intended as a notice to all who are engaged in the manufacture or sale of Transom Lifters in violation of my said patent, that I shall hold them strictly liable to me in damages therefor, and for all profits they have made, and in case the infringement is persisted in, shall claim treble damages.

Having established the trade in this class of goods by virtue of the rights conferred by my patent, I am justified in demanding that such rights be recognized and respected, as I believe they will be by all responsible Manufacturers and Dealers.

J. F. WOLLENSAK,
Patentee and Sole Manufacturer.

The Sample Dent is like these on this page from them

THE FAVORITE.

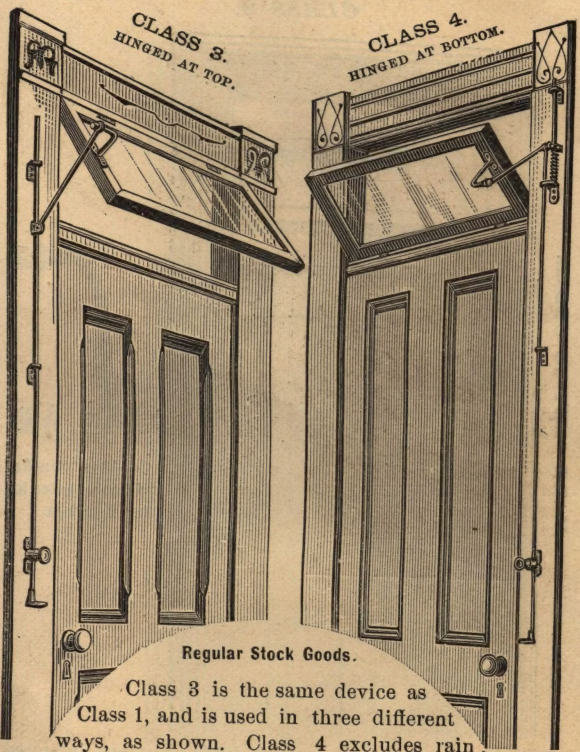
CLASS 1—HUNG ON CENTERS.

Works Either Way.

Regular Stock Goods.

The left hand cut shows the most perfect manner of Hanging Transoms, large or small. It is self-supporting; safe against accident of falling or outside interference, whether entirely closed or partly open. Avoids downward draft, same as Class 4, and excludes rain and dust. A child can operate the largest Transom. The pivots should be sufficiently out of the center to counteract the weight of the Lifting Rod, so when the latter is on all will balance.

Class 1 is the same device as Class 3.

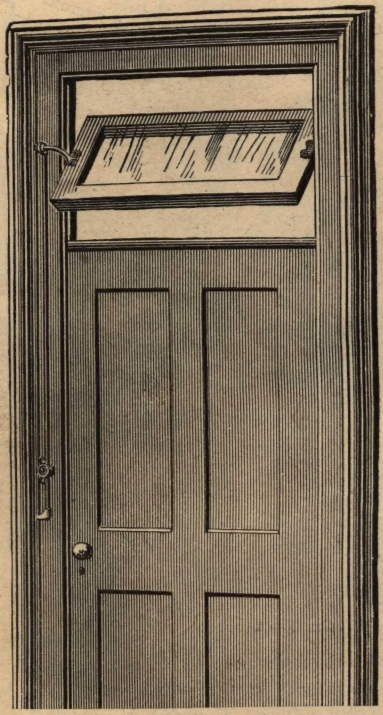


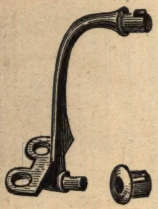
Regular Stock Goods.

Class 3 is the same device as Class 1, and is used in three different ways, as shown. Class 4 excludes rain, dust and downward draft, same as Class 1 "Pull Down." The spring is designed in case of carelessly allowing the sash to fall suddenly, to prevent the glass from breaking. For heavy Transoms use two Lifters, for either Class 3 or 4, to prevent the sash from sagging and for additional security.

CLASS 2.

MADE ONLY TO ORDER.





Combined Bracket and Sash Center for Class 2 Lifters.

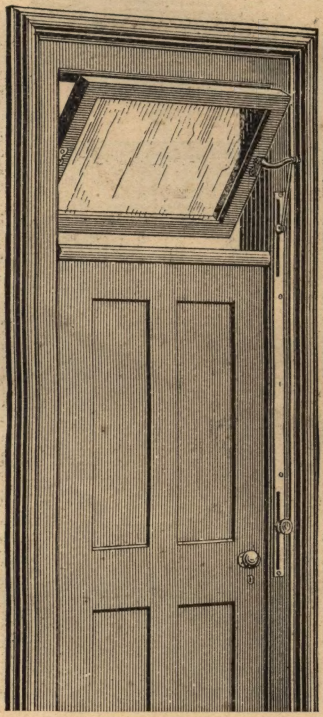
This device is made of ¼ inch Rods only, and intended for small Transoms hinged on centers.

When ordering, state which way the sash swings, "up" or "down;" how much the sash is recessed, and whether right or left hand; also, whether with or without sash centers.

Screw the Bracket exactly in the center of the sash, as shown on cut.

CLASS 7.

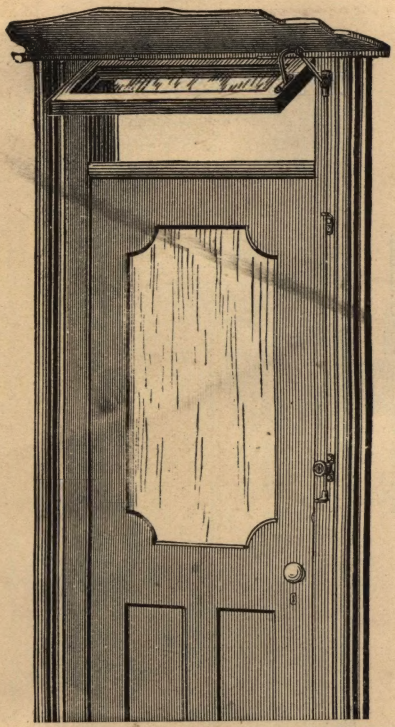
MADE ONLY TO ORDER.



This device has the appearance of a narrow flush door bolt, and is suitable for Dwelling or Office Transoms. Can be used for Transoms hinged above, below, or on pivots, and possesses all the merits of Class 1.

CLASS 8.

MADE ONLY TO ORDER.

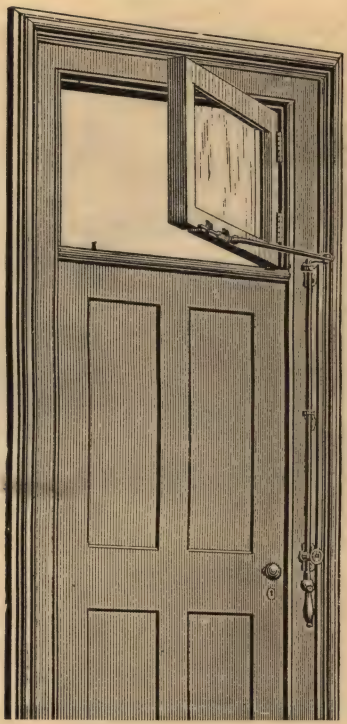


This device is intended for low basements with narrow Transoms suspended from the ceiling, also other special kinds. The Friction Roller bears on the finish while operating.

We do not claim this device to be a secure lock.

CLASS 6.

MADE ONLY TO ORDER.



This device is the same as Class 5. When ordering, give the width of the Transom (horizontally); also say if right or left hand. We think this the worst possible manner of hanging Transoms. See Class 5 for further description.

CLASS 5.

MADE ONLY TO ORDER.

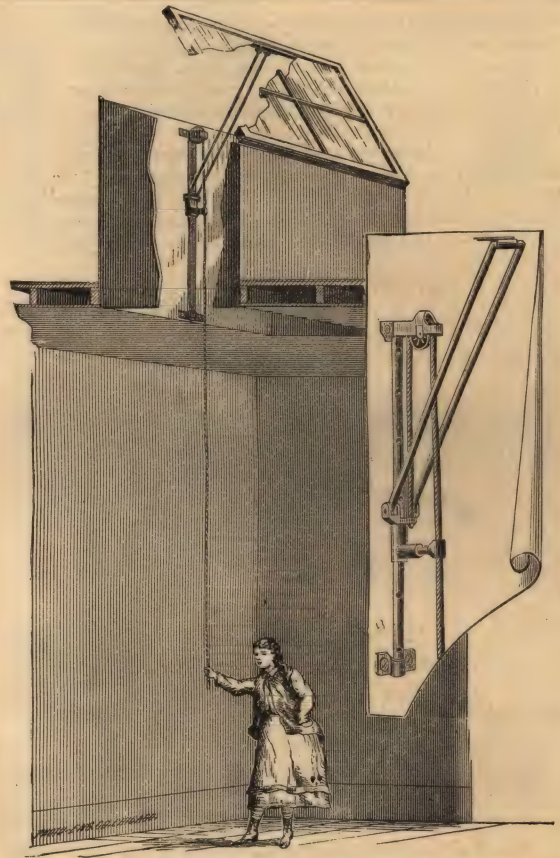
FOR TRANSOMS HINGED VERTICALLY WITH PATENT SURFACE SASH CENTERS.

This device is designed more especially for semi-circular, but is also used for square Transoms. Is a very safe way to swing heavy interior Transoms.

To operate, raise the Pendant Handle and turn the long rod (horizontally) which first unlocks, then opens the Transom, the set screw holding it in position while open.

To close, turn the reverse way.

The lock is secure and works automatically when opening or closing.

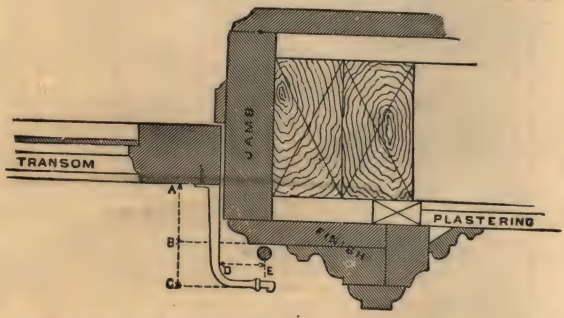


Nos. 10 and 12. Sky-Light Lifter and Lock.

Operated with a single cord and securely locked at any point, for Bath-rooms, Stores, etc. Regular goods.

In consequence of the great variety of Mouldings used on door finishes and the variation in recessing Transoms, it is obvious that often the Bracket must differ in size and shape. Our experience thus far, however, has enabled us to make a *regular size Bracket* which is *generally adaptable.* For list of these and special Brackets, see next page.

The Lifter Rod may be placed anywhere on the finish, but should be as near the Transom as practicable. After having located the rod on the finish, the following section of Transom and architrave finish, showing the Bracket screwed to a recessed Transom; also, position of Lifter Rod ● on the finish will explain how to measure for "*special Brackets.*"



A to B is the recess of Transom, always measuring from face of finish where the rod is placed to face of Transom, where the Bracket is screwed.

B to C is the additional length of the Bracket required from the finish, which varies as follows, according to the size of rod to be used:

For ½ inch Rod, 3 inch,
For ⅜ " 2½ "
For 5-16 " 2¼ "
For ¼ " 2 " } For Classes 1, 3, 4, 7 and 8 Lifters.

For ¼ " ¾ " } For Class 2 Lifters.

D to E is the curve of the Bracket, extending from the edge of Transom to the center of the Lifter Rod on the finish.

When adding special Brackets, give dimensions from A to B and D to E.

List of Special and regular Transom Lifter Brackets for Classes 1, 3, 4, 7 and 8 Lifters.

Brackets numbered with heavy type are regular, and will be sent unless others are ordered.

For ¼ Rod.			For 5-16 Rod.			For ⅜ Rod.			For ½ Rod.		
Number.	Length.	Curve.	Number.	Length.	Curve.	Number.	Length.	Curve.	Number.	Length.	Curve.
1	3	x ⅜				49	3⅞	x 1½	79	4¾	x ½
2	3	x 1⅛	25	3¾	x ⅜	50	4½	x ½	**80**	4¾	x 1½
2x	3	x 1½	**26**	3¾	x 1½	**60**	4½	x 1½	81	4¾	x 2⅜
3	3	x 2	27	3¾	x 2½	x60	4¾	x 2	x81	4¾	x 2
3x	4	x 1½	28	3¾	x 3½	52	4½	x 2⅝	82	4¾	x 3⅝
4	3¼	x 2¾	24	4¼	x 1⅝	53	4½	x 3¾	84	6	x ½
7	3½	x 1¼	30	5	x 1½	55	6	x ½	85	6	x 1½
8	4¼	x ⅜	31	5	x 2½	56	6	x 1½	86	6	x 2½

Sectional Cut of the Size Rods we Use.

For Light Dwelling Transoms use ¼ inch Rods.
For Medium Heavy Office Transoms use 5-16 inch Rods.
For Store Transoms use ⅜ inch Rods.
For Heavy Store Transoms use ½ inch Rods.

How to Ascertain the Necessary Length of Lifters.

For all Transoms where the upper part of the sash opens down measure from a point on the sash where the bracket is screwed to within 5 feet of the floor, and for all Transoms where the lower part of the sash swings up, to within 4 feet of the floor.

WHEN ORDERING,

Give the "*Length*," "Diameter," "Class" and "Quality." If special brackets are wanted, give description. See opposite page.

All Lifters are reversible from right to left, except Classes 5 and 6.

REVISED PRICE LIST.

February 5th, 1880.

TRANSOM LIFTERS AND OPENERS.

Length of Rod.	Diameter of Rod.	Bronzed Iron Each.	Nickel Plated Each.	For Each Additional Foot in Length, add	
				Br'n'zd	Nickel
Class 1 and 3.					
3 ft.	¼ in.	$0 90	$2 25	15	30
3 ft.	5-16	1 35	2 80	15	35
4 ft.	⅜ in.	2 00	4 10	20	45
5 ft.	½ in.	3 15	6 00	25	50
Class 2, without Centers.					
3 ft.	¼ in.	$0 85	$1 90	15	30
Class 2, with Centers.					
3 ft.	¼ in.	$1 00	$2 10	15	30
Class 4 and 8.					
3 ft.	¼ in.	$1 20	$2 65	15	30
3 ft.	5-16.	1 65	3 35	15	35
4 ft.	⅜ in.	2 40	4 60	20	45
5 ft.	½ in.	3 55	6 65	25	50
Class 5 and 6.					
3 ft.	¼ in.	$1 30	$2 75	15	30
3 ft.	5-16	1 85	3 60	15	35
4 ft.	⅜ in.	2 65	4 95	20	45
5 ft.	½ in.	3 60	6 75	25	50

Class 7, Mortise.

	Face.	Brass.	Nickel.	Brass.	Nickel
3 ft.	¾ in.	$3 50	$4 10	$0 60	$0 85

Sky-Light Lifter and Lock.

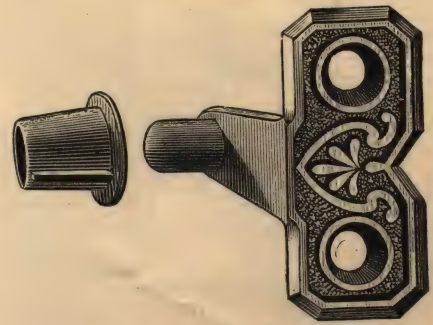
No.	Length.	Size.	Price Each.	For Each Additional 6 in. in Length, add
10	18 in.	⅜ in.	$1 85	20
12	18 in.	½ in.	2 40	25

Liberal Discount to Dealers.

Ornamental Real Bronze ..... 25 per cent. over Nickel Plated
Plain, Real Bronze ..... " " "
Dark Bronze, Ornamental or Plain ..... 25 " " "
Statuary or No. 3, finish Bronze ..... 25 " " "
Ornamental Brass ..... 25 " " "
Nickel Plated on Brass ..... 25 " " "
Bronzed Brass ..... 25 " " "
Plain Brass ..... 20 " " "
Same as Nickel Plated
Bronzed Iron Rod with Dark Bronze Trimmings, 25 per cent. over Bronzed Iron (matches Dark Bronze Trimmings).

SURFACE SASH CENTER.

Patented.



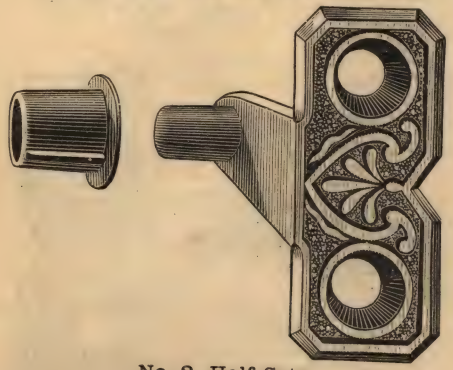
FULL SIZE CUT OF NO 1—HALF SET.

The Surface Sash Center is a new thing and is meeting with success everywhere. The advantages over the old style Centers is obvious.

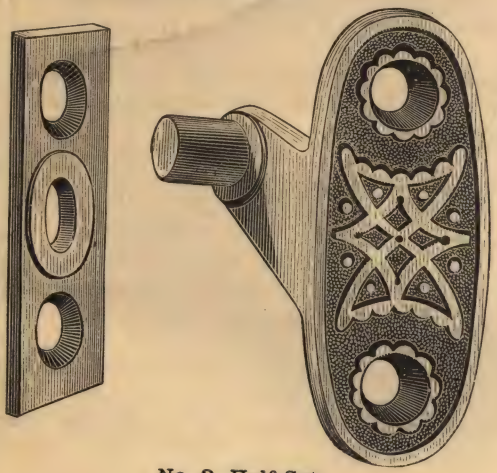
They do not require a slot cut in the frame to admit the pivot, thereby marring the appearance of the finish. They have no weak points liable to break; the pivot is long and all danger of the sash falling is avoided, however the wood may shrink, neither can they be removed from the outside. It will be observed on the above cut that the pivot is carried back from the plate so as to bring it in line with the center of the sash edge, allowing the sash to swing freely.

They are much easier and quicker put on than any of the old style Centers, and is the only Center made for Hanging Transoms vertically. See Class 5 cut. Sample free on application.

SURFACE SASH CENTERS.



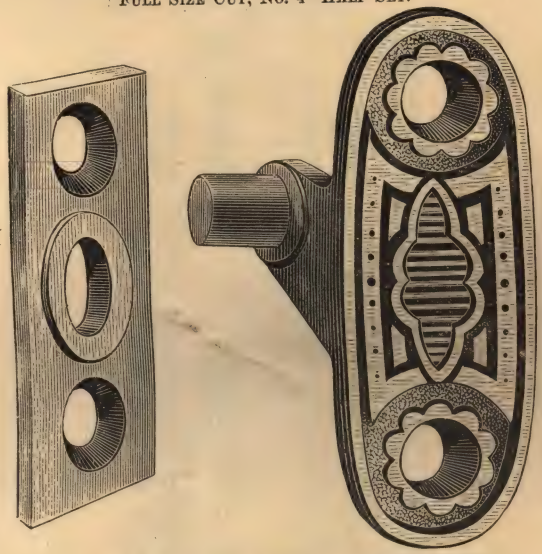
No. 2—Half Set.
FULL SIZE CUT.



No. 3—Half Set.
FULL SIZE CUT.

SURFACE SASH CENTER.

FULL SIZE CUT, No. 4—HALF SET.



PRICE LIST SURFACE SASH CENTERS.

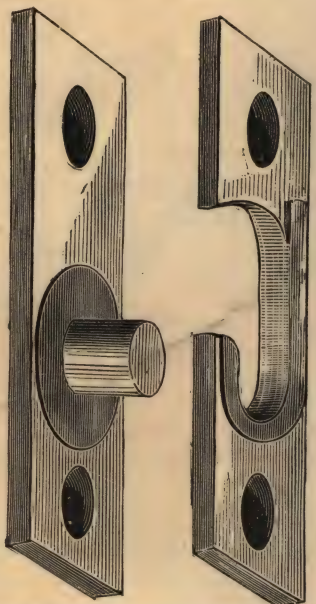
Revised January 1, 1881.

FOUR PIECES TO THE SET.

No.	PRICE PER DOZEN SET.	Bronzed Iron.	Real Bronze.
1	With Sockets	$0 65	$4 25
2	" "	80	5 55
3	" Plates	1 25	8 40
4	" "	2 00	12 25
5	" " 5/8 in. Stem	3 50	
6	" " 3/4 "	6 50	

OLD STYLE SASH CENTERS.

IMPROVED PATTERN.

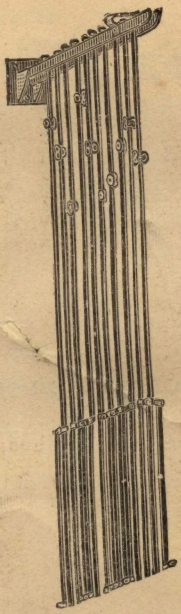


Full size cut of No. 0000. Four pieces to the set. Extra heavy.

PRICE LIST—REVISED JANUARY 1, 1881.

No.	Size of Plate.	Size of Pin.	Price.
0000	2¾ x 1	⅜ x 7-16	Per dozen Set..... $1 25
000	3⅜ x 1¼	½ x ⅝	" 2 75
00	4⅜ x 1½	⅝ x 11-16	" 4 90
0	5 x 2	¾ x ¾	" 9 90

WROUGHT IRON JAPANNED RACK.



The above cut represents our RACK, which will be found convenient for keeping the Transom Lifter in stock.

We furnish them to our customers at the following cost prices:

				Price each, net.
No. 1 will hold	30	¼	in. Rods	$0 40
" 2 "	25	5-16	"	50
" 3 "	20	⅜	"	65
" 4 "	15	½	"	80

To prevent the Brackets from getting lost or mixed, couple them to the Lifter when hung in the Rack.

FOR STOCK

We recommend the following assortment of sizes as the most salable to carry in stock:

3 x 1/4
4 x 1/4
4 x 5-16
5 x 5-16
6 x 3/8
8 x 3/8
8 x 1/2

CLASS 3, BRONZED IRON.

For Transoms hung on centers and hinged at the top.

4 x 5-16
5 x 5-16
6 x 3/8
8 x 3/8
8 x 1/2

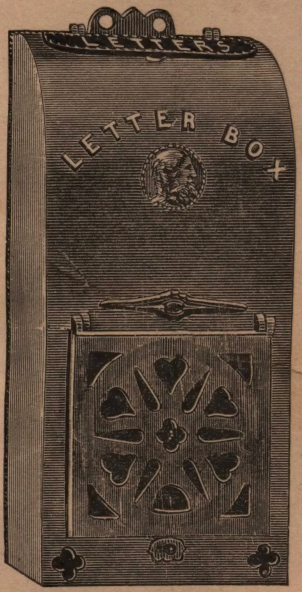
CLASS 4, BRONZED IRON.

For Transoms hinged at the bottom.

LETTER BOXES

—FOR—

OFFICES, DWELLINGS, BANKS, CONTRIBUTIONS, LODGES, &c., &c.



PRICE LIST.

No. 1.	Size, 7	x 15	each,	$3 50
No. 2.	"	5½ x 12	"	2 50
No. 3.	"	4½ x 10½	"	2 00

VENTILATION UNDER DIFFICULTIES.

VENTILATION MADE EASY.